

CTR Employer Survey Report

Thank you for completing your Commute Trip Reduction survey. This report contains the survey results.

Employer Id : E41251

Employer : The Boeing Company

Worksite : The Boeing Company - Bomarc

Street : 9705 W 24th Pl W

Jurisdiction : Unincorporated Snohomish County

Survey Date : 11/18/2013

SAMPLING

Survey Type : Online

Response Rate : 65%

Drive Alone & One-Way VMT Rates at this Worksite

Employees and Survey Response Information

Drive Alone : 78.8%

Reported Total Employees at Worksite: 1,929

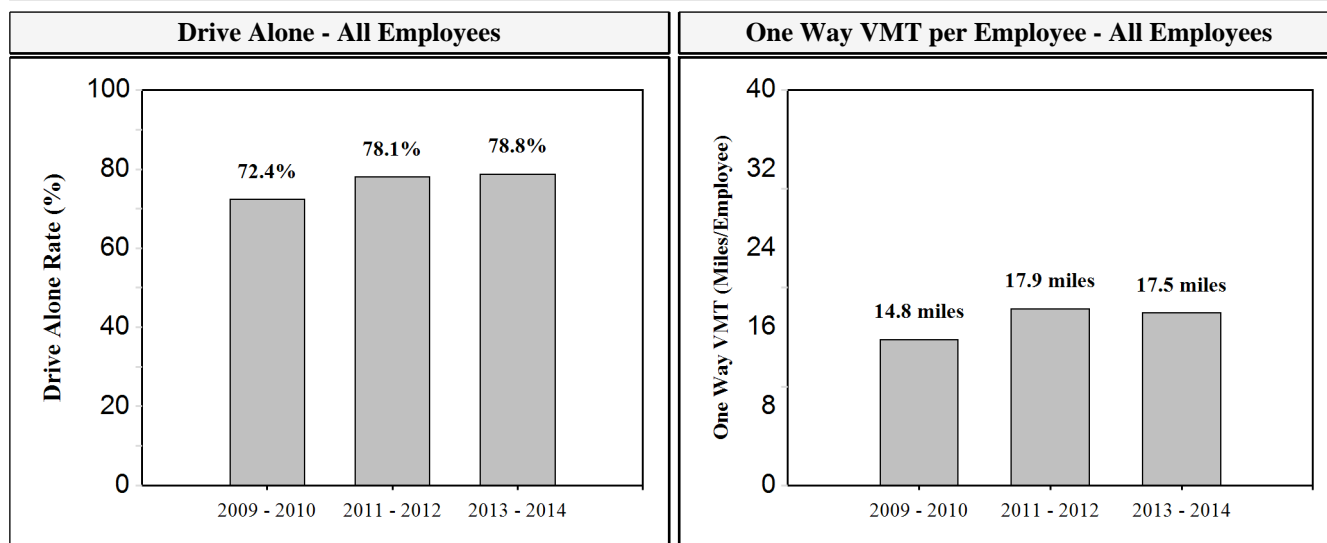
Surveys Distributed : 1,354

One-Way VMT per employee : 17.5

Surveys Returned : 879

Surveys Returned by CTR Affected Employees : 851

Total Estimated CTR - Affected Employees at Worksite : 1,311



Site History and Goal

Cycle	Drive Alone - All	Drive Alone - CTR Affected	VMT / Employee - All	VMT / Employee - CTR Affected
2007 - 2008	N/A	N/A	N/A	N/A
2009 - 2010	72.4%	72.4%	14.8	14.8
2011 - 2012	78.1%	78.3%	17.9	18.2
2013 - 2014	78.8%	78.9%	17.5	17.2
2015 - 2016	N/A	N/A	N/A	N/A
2017 - 2018	N/A	N/A	N/A	N/A
2019 - 2020	N/A	N/A	N/A	N/A
Goal	TBD	TBD	TBD	TBD
Percent Change	8.8%	9.0%	18.2%	16.2%

Comparison Between Rates With and Without Fill-In

The survey response rate is indicated on Page 1. To encourage a response rate of at least 70%, additional drive alone trips are added to survey results for worksites with a response rate of less than 70%. For these worksites it is assumed that non-responding employees between the actual response rate and 70% drive alone 5 days a week. These additional trips represent the "Fill-In" applied. Note that fill-in is not applied to a worksite's first survey in the 2007 to 2012 cycle (their baseline survey).

	2009 - 2010	2011 - 2012	2011 - 2012 Without Fill In	2013 - 2014	2013 - 2014 Without Fill In
Drive Alone - All Employees*	72.4%	78.1%	68.4%	78.8%	78.8%
Drive Alone - CTR Affected Employees*	72.4%	78.3%	67.8%	78.9%	78.9%
VMT/Employee - All Employees	14.8	17.9	16.2	17.5	17.5
VMT/Employees - CTR Affected Employees	14.8	18.2	16.3	17.2	17.2

* Drive alone rate includes one person motorcycles.

GHG Emissions: Total for Drive Alone, Carpools, Vanpools

Annual Greenhouse Gas Emissions (Metric Tons CO₂e) for Roundtrip Commute*

Value	2009 - 2010	2011 - 2012	2013 - 2014
Emissions for Surveyed Employees	2,274	1,797	3,317
Estimated Emissions for Total Employment	3,919	7,927	7,278

* Estimated based on VMT from commuters driving alone, carpooling, vanpooling, or motorcycling, without fill-in applied.

Bus Transit Passenger Miles and Rail Transit Passenger Miles*

Annual Transit Passenger Miles (includes Roundtrip Commute)	2009 - 2010	2011 - 2012	2013 - 2014
Bus Annual Passenger Miles - Estimated for Total Employment	335,867	825,397	633,783
Bus Annual Passenger Miles - Surveyed Employees	194,900	187,100	288,800
Ferry Annual Passenger Miles - Estimated for Total Employment	0	210,430	58,155
Ferry Annual Passenger Miles - Surveyed Employees	0	47,700	26,500
Train/Light Rail/Streetcar Annual Passenger Miles - Estimated for Total Employment	1,896	0	6,584
Train/Light Rail/Streetcar Annual Passenger Miles - Surveyed Employees	1,100	0	3,000

* Transit passenger miles can be used to gauge changes in transit usage, and also to calculate greenhouse gas emissions from transit commute trips. However, emissions attributable to transit vary widely, depending on the efficiency/energy source of transit vehicles and transit vehicle passenger load (typically ranging from 0.1 to 0.9 pounds CO₂e emissions/passenger mile). Employers are strongly encouraged to contact their local transit agencies for more precise information on GHG emissions for their transit trips. If nothing else is available, the value of 0.47 pounds (0.00021 metric tons) per passenger mile can be used to estimate CO₂e emissions for bus transit, and 0.39 pounds (0.00018 metric tons) CO₂e emissions per passenger mile for train/light rail/streetcar.

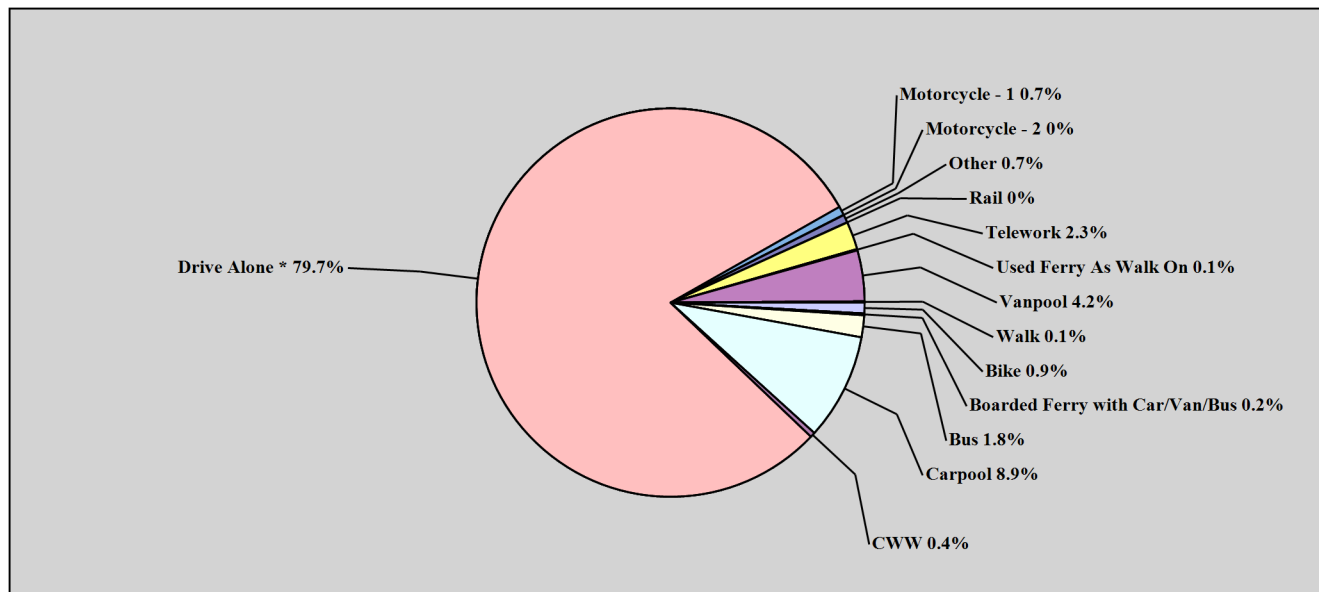
Q3.

One way, how many miles do you commute from home to your usual work location?
Average one-way distance home to work: 21.1 miles

Commute Trips By Mode - All Employees

Q.4a: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)

Mode Split - All Employees



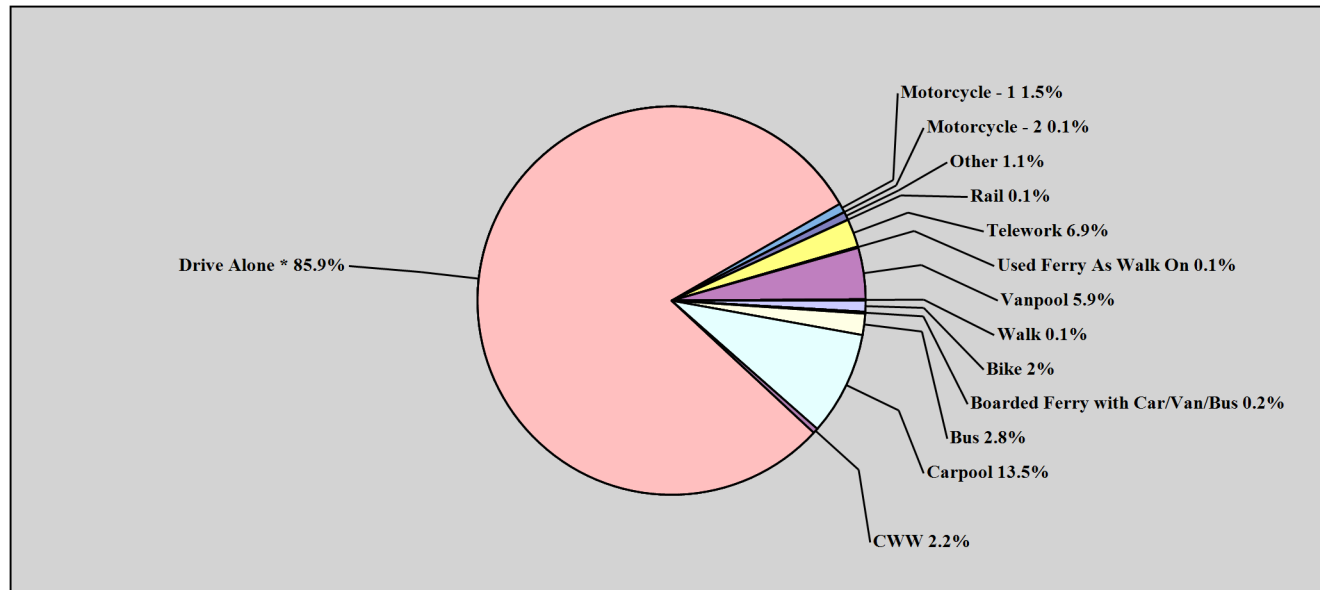
Mode	Trips During This Survey Week	% of Trips During This Survey Week	% of Trips During Previous Survey Week	Employees Who Used This Mode at Least Once During This Survey Week	% of Employees Who Used This Mode at Least Once During This Survey Week	% of Employees Who Used This Mode at Least Once During Previous Survey Week
Drive Alone *	3,671	79.7%	83.7%	753	85.7%	79.7%
Carpool	408	8.9%	5.5%	120	13.7%	15.7%
Vanpool	195	4.2%	2.5%	51	5.8%	6.8%
Motorcycle - 1	34	0.7%	0.7%	13	1.5%	2.6%
Motorcycle - 2	1	0.0%	0.0%	1	0.1%	0.2%
Bus	84	1.8%	1.0%	25	2.8%	3.0%
Rail	1	0.0%	0.0%	1	0.1%	0.0%
Bike	41	0.9%	0.4%	17	1.9%	1.8%
Walk	5	0.1%	0.1%	1	0.1%	0.2%
Telework	107	2.3%	4.8%	62	7.1%	23.9%
CWW	19	0.4%	0.5%	19	2.2%	4.8%
Boarded Ferry with Car/Van/Bus	7	0.2%	0.3%	2	0.2%	0.6%
Used Ferry As Walk On	5	0.1%	0.1%	1	0.1%	0.2%
Other	30	0.7%	0.4%	9	1.0%	1.6%

* Drive alone mode includes fill-in, where applicable.

Commute Trips By Mode - Affected Employees

Q.4a: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)

Mode Split - Affected Employees



Mode	Trips During This Survey Week	% of Trips During This Survey Week	% of Trips During Previous Survey Week	Employees Who Used This Mode at Least Once During This Survey Week	% of Employees Who Used This Mode at Least Once During This Survey Week	% of Employees Who Used This Mode at Least Once During Previous Survey Week
Drive Alone *	3,564	79.8%	84.2%	731	85.9%	80.3%
Carpool	386	8.6%	5.3%	115	13.5%	15.8%
Vanpool	191	4.3%	2.5%	50	5.9%	7.2%
Motorcycle - 1	34	0.8%	0.6%	13	1.5%	2.6%
Motorcycle - 2	1	0.0%	0.0%	1	0.1%	0.2%
Bus	79	1.8%	1.0%	24	2.8%	3.3%
Rail	1	0.0%	0.0%	1	0.1%	0.0%
Bike	41	0.9%	0.4%	17	2.0%	1.8%
Walk	5	0.1%	0.1%	1	0.1%	0.2%
Telework	104	2.3%	4.8%	59	6.9%	25.2%
CWW	19	0.4%	0.5%	19	2.2%	4.8%
Boarded Ferry with Car/Van/Bus	7	0.2%	0.3%	2	0.2%	0.7%
Used Ferry As Walk On	5	0.1%	0.0%	1	0.1%	0.0%
Other	30	0.7%	0.4%	9	1.1%	1.5%

* Drive alone mode includes fill-in, where applicable.

Alternative Modes - Number of Employees Who Used a Non-Drive Alone Mode:

Non-Drive Alone Number Of Days	Exactly this # of Employees	Exactly this % of Employees	At least # of Employees	At least % of employees
0 Day	609	69%	879	100%
1 Days	63	7%	270	31%
2 Days	27	3%	207	24%
3 Days	36	4%	180	20%
4 Days	49	6%	144	16%
5 Days	90	10%	95	11%
6 or More Days	5	1%	5	1%

Work Schedules By Group - All Employees (This table shows the relationship between work schedule and commute mode)

Employees who worked:	Drive Alone 5 days / week		Drive Alone 3 or 4 days / week		Used Bus At Least 3 days / week		Carpooled At Least 3 days / week		Used Rail At Least 3 days / week		Vanpooled At Least 3 times / week		Biked or Walked At Least 3 Days / week		Used 'Other' Modes At Least 3 Days / week		Used Non-Drive Alone At Least 3 Days / week	
5 days a week	469	62.9%	86	11.5%	14	1.9%	65	8.7%	0	0%	32	4.3%	7	0.9%	5	0.7%	141	18.9%
4 days a week (4/10s)	2	7.7%	14	53.8%	2	7.7%	2	7.7%	0	0%	2	7.7%	0	0%	0	0%	8	30.8%
3 days a week	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
9 days in 2 weeks (9/80)	49	48.5%	17	16.8%	1	1%	13	12.9%	0	0%	7	6.9%	2	2%	0	0%	30	29.7%
7 days in 2 weeks	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
Other	1	33.3%	1	33.3%	0	0%	1	33.3%	0	0%	0	0%	0	0%	0	0%	1	33.3%

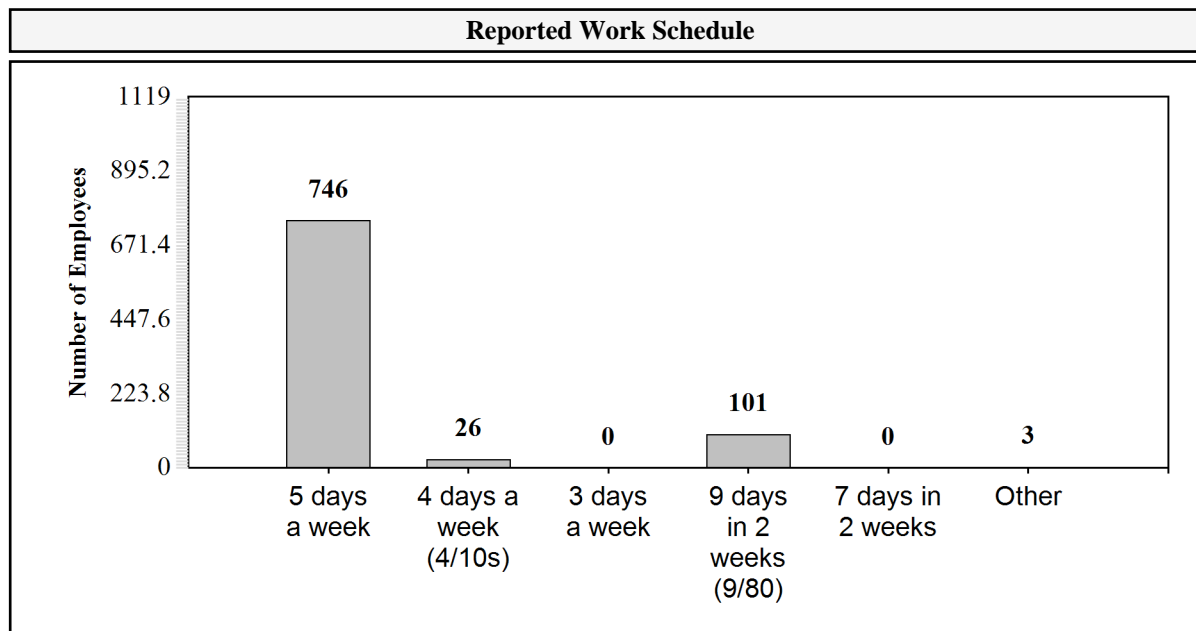
Count by Occupancy of Carpools, Vanpools, and Motorcycles

Q.4b If you used a carpool or vanpool as part of your commute, or if you ride a motorcycle, how many people (age 16 or older) are usually in the vehicle?

Ridesharing Occupancy	Mode	Response Count
1	Motorcycle	35
2	Motorcycle	1
2	Carpool	321
3	Carpool	46
4	Carpool	30
5	Carpool	4
>5	Carpool	7
<5	Vanpool	9
5	Vanpool	19
6	Vanpool	28
7	Vanpool	34
8	Vanpool	50
9	Vanpool	13
10	Vanpool	19
11	Vanpool	9
12	Vanpool	9
13	Vanpool	0
14	Vanpool	0
15	Vanpool	5

Reported Work Schedule - All Employees

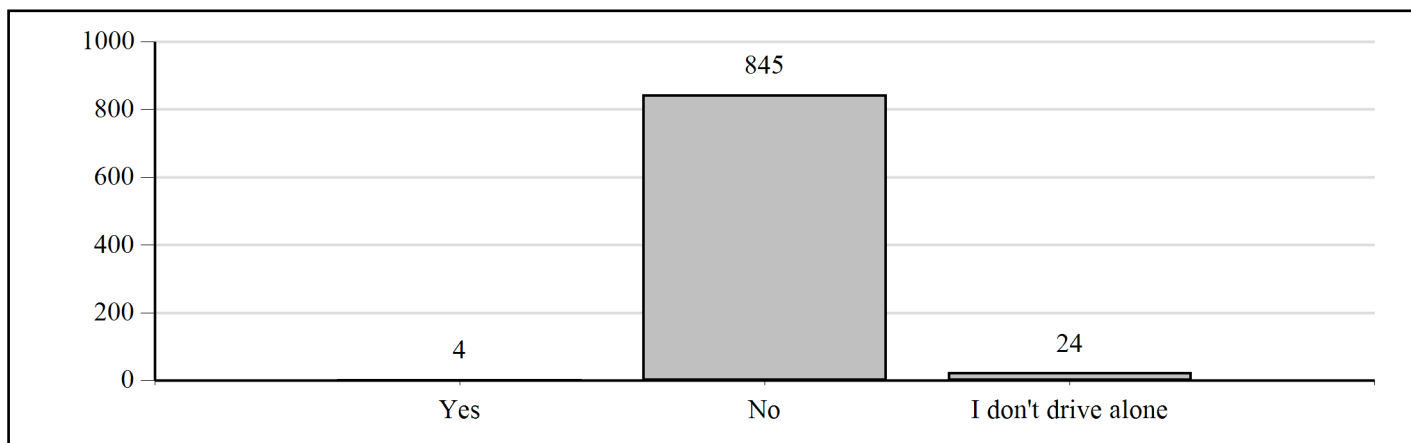
Q.5 Which of the following best describes your work schedule?



Reported Work Schedule	# Of Responses	% Of Employees
5 days a week	746	85.2%
4 days a week (4/10s)	26	3%
3 days a week	0	0%
9 days in 2 weeks (9/80)	101	11.5%
7 days in 2 weeks	0	0%
Other	3	0.3%

Parking and Telework

Q.9: On the most recent day that you drove alone to work, did you pay to park? (Mark "yes" if you paid that day, if you prepaid, if you are billed later, or if the cost of parking is deducted from your paycheck.)



Q.10: How many days do you typically telework?

Telework Frequency	# of Responses	% of Responses
No Answer/Blank	6	0.7%
I don't telework	431	49.0%
Occasionally, on an as-needed basis	364	41.4%
1-2 days/month	34	3.9%
1 day/week	19	2.2%
2 days/week	14	1.6%
3 days/week	11	1.3%

Reasons for driving alone to work/not driving alone to work

Q11. When you do not drive alone to work, what are the three most important reasons?

Question Text	# of Responses	% of Responses
To save money	304	16.8%
To save time using the HOV lane	265	14.6%
I have the option of teleworking	204	11.3%
Personal health or well-being	188	10.4%
Environmental and community benefits	171	9.4%
Financial incentives for carpooling, bicycling or walking.	153	8.4%
Other	128	7.1%
Free or subsidized bus, train, vanpool pass or fare benefit	117	6.5%
Cost of parking or lack of parking	96	5.3%
Driving myself is not an option	78	4.3%
Emergency ride home is provided	53	2.9%
Preferred/reserved carpool/vanpool parking is provided	52	2.9%
I receive a financial incentive for giving up my parking space	2	0.1%

Q12. When you drive alone to work, what are the three most important reasons?

Question Text	# of Responses	% of Responses
Riding the bus or train is inconvenient or takes too long	613	27.4%
I like the convenience of having my car	527	23.6%
Family care or similar obligations	308	13.8%
Other	248	11.1%
My commute distance is too short	190	8.5%
My job requires me to use my car for work	145	6.5%
Bicycling or walking isn't safe	136	6.1%
I need more information on alternative modes	50	2.2%
There isn't any secure or covered bicycle parking	17	0.8%

Employee Transit Use - All Employees

Q 13. Please indicate the number of one-way transit or walk-on ferry trips you took last week on each system listed below (for any purpose, not just getting to and from work). Please select "Other" if your transit isn't listed.

Trips/Week	Employees Making This Many Transit Trips in a Week									
	Community Transit	Everett Transit	Intercity Transit	King County Metro	Kitsap Transit	Pierce Transit	Sound Transit	Whatcom Transportation Authority	Ferry as Walk-On	Other
1	6	4	0	21	0	0	4	0	3	6
2	6	0	0	18	0	0	6	0	7	5
3	1	0	0	2	0	0	0	0	1	2
4	4	1	0	6	1	0	0	0	0	0
5	1	0	0	1	0	0	1	0	2	2
6	2	0	0	2	0	0	1	0	0	1
7	1	0	0	0	0	0	0	0	0	0
8	5	1	0	5	0	0	0	0	2	1
9	0	0	0	1	0	0	0	0	0	1
10	8	2	0	6	0	1	0	0	2	1
11 or more	0	0	0	2	0	0	0	0	1	0
# Of Employees using Transit	34	8	0	64	1	1	12	0	18	19
Total One-Way Transit Trips Per Week	181	36	0	251	4	10	27	0	78	65

Employee Transit Use - Affected Employees

Q 13. Please indicate the number of one-way transit or walk-on ferry trips you took last week on each system listed below (for any purpose, not just getting to and from work). Please select "Other" if your transit isn't listed.

Trips/Week	Employees Making This Many Transit Trips in a Week									
	Community Transit	Everett Transit	Intercity Transit	King County Metro	Kitsap Transit	Pierce Transit	Sound Transit	Whatcom Transportation Authority	Ferry as Walk-On	Other
1	6	4	0	21	0	0	4	0	3	5
2	6	0	0	18	0	0	6	0	7	5
3	1	0	0	2	0	0	0	0	1	2
4	4	1	0	6	1	0	0	0	0	0
5	1	0	0	1	0	0	1	0	2	2
6	2	0	0	2	0	0	1	0	0	1
7	1	0	0	0	0	0	0	0	0	0
8	5	1	0	5	0	0	0	0	1	1
9	0	0	0	1	0	0	0	0	0	1
10	8	1	0	6	0	1	0	0	1	1
11 or more	0	0	0	2	0	0	0	0	1	0
# Of Employees using Transit	34	7	0	64	1	1	12	0	16	18
Total One-Way Transit Trips Per Week	181	26	0	251	4	10	27	0	60	64

Commute Mode By ZipCode for All Employees

Q8. What is your home zip code?

Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
	2	0.23%	7	0	0	3	0	0	0	0	0	0	0	0	0
09275	1	0.11%	1	2	0	0	0	0	0	0	0	1	0	0	0
89223	1	0.11%	4	0	0	0	1	0	0	0	0	0	0	0	0
98001	3	0.34%	6	3	4	0	0	0	0	0	2	0	0	0	0
98002	1	0.11%	0	5	0	0	0	0	0	0	0	0	0	0	0
98004	5	0.57%	9	3	5	0	0	0	0	0	2	0	0	0	0
98005	6	0.68%	18	2	2	0	0	0	0	0	6	1	0	0	1
98006	17	1.93%	56	17	2	1	7	0	0	0	0	0	0	0	0
98007	1	0.11%	5	0	0	0	0	0	0	0	0	0	0	0	0
98008	6	0.68%	23	2	0	0	0	0	0	0	0	0	0	0	0
98011	11	1.25%	47	3	0	0	4	0	0	0	0	0	0	0	0
98012	48	5.46%	218	13	0	0	0	0	1	0	6	1	0	0	0
98019	3	0.34%	15	0	0	0	0	0	0	0	0	0	0	0	0
98020	6	0.68%	30	0	0	0	0	0	0	0	0	0	0	0	0
98021	18	2.05%	84	0	0	1	0	0	0	0	2	0	0	0	0
98022	2	0.23%	1	5	0	0	0	0	0	0	0	0	0	0	0
98023	1	0.11%	0	0	5	0	0	0	0	0	0	0	0	0	0
98026	15	1.71%	69	6	0	0	0	0	0	0	0	0	0	0	0
98027	6	0.68%	25	4	0	0	0	0	0	0	1	0	0	0	0
98028	7	0.80%	29	1	0	0	0	0	0	0	6	0	0	0	0
98029	3	0.34%	6	4	5	0	0	0	0	0	0	0	0	0	0
98030	3	0.34%	10	0	5	0	0	0	0	0	0	0	0	0	0
98031	6	0.68%	10	10	7	0	0	0	0	0	2	0	0	0	0
98033	15	1.71%	58	5	0	0	3	0	0	0	1	2	0	0	2
98034	16	1.82%	57	11	0	0	0	0	0	0	1	0	0	0	0
98036	21	2.39%	76	4	0	6	0	0	4	0	6	1	0	0	3



98037	8	0.91%	37	0	0	0	0	0	0	0	0	0	0	0
98038	10	1.14%	19	0	23	4	0	0	0	0	2	0	0	0
98040	5	0.57%	22	0	0	0	3	0	0	0	0	0	0	0
98042	7	0.80%	24	0	4	0	0	0	0	0	4	0	0	0
98043	3	0.34%	14	1	0	0	0	0	0	0	0	0	0	0
98045	2	0.23%	3	7	0	0	0	0	0	0	0	0	0	0
98046	1	0.11%	5	0	0	0	0	0	0	0	0	0	0	0
98050	1	0.11%	0	0	0	0	0	0	0	0	0	0	0	0
98052	18	2.05%	84	6	0	0	0	0	0	0	0	0	0	0
98053	2	0.23%	10	0	0	0	0	0	0	0	0	0	0	0
98055	6	0.68%	15	6	7	0	2	0	0	0	2	0	0	0
98056	11	1.25%	25	9	7	0	5	0	0	0	1	0	0	0
98057	2	0.23%	9	0	0	0	0	0	0	0	1	0	0	0
98058	15	1.71%	19	24	26	0	0	0	0	0	1	0	0	0
98059	5	0.57%	11	4	5	0	4	0	0	0	1	0	0	0
98065	3	0.34%	10	4	0	0	0	0	0	0	0	0	0	0
98070	1	0.11%	5	0	0	0	0	0	0	0	0	0	0	0
98072	14	1.59%	53	5	0	0	0	0	0	0	4	0	0	0
98074	9	1.02%	26	8	3	0	0	0	0	0	2	1	0	7
98075	9	1.02%	29	5	10	0	0	0	0	0	0	0	0	0
98077	9	1.02%	34	8	0	0	0	0	0	0	0	0	0	4
98087	9	1.02%	32	10	0	0	0	0	0	0	2	0	0	0
98092	2	0.23%	8	0	0	0	0	0	0	0	1	0	0	0
98101	1	0.11%	5	0	0	0	0	0	0	0	0	0	0	0
98102	6	0.68%	27	0	1	2	3	0	0	0	0	0	0	0
98103	26	2.96%	95	19	2	4	0	0	2	0	1	0	0	0
98104	3	0.34%	14	0	0	0	0	0	0	0	0	0	0	0
98105	4	0.46%	13	0	5	0	0	0	0	0	1	0	0	0
98106	1	0.11%	5	0	0	0	0	0	0	0	0	0	0	0
98107	15	1.71%	64	8	1	0	0	0	0	0	0	0	0	0
98109	6	0.68%	17	8	0	0	0	0	4	0	0	1	0	0
98112	3	0.34%	13	0	0	0	0	0	0	0	2	0	0	0
98115	28	3.19%	117	2	19	0	0	0	0	0	0	0	0	0
98116	4	0.46%	16	3	0	0	0	0	0	0	0	0	0	0
98117	14	1.59%	58	7	1	3	0	0	0	0	1	0	0	0
98118	5	0.57%	16	4	0	0	5	0	0	0	0	0	0	0
98119	8	0.91%	31	5	0	0	0	0	0	0	4	0	0	0



98121	3	0.34%	11	0	2	0	0	0	0	0	2	0	0	0	0
98122	10	1.14%	40	5	4	2	0	0	0	0	0	0	0	0	0
98125	14	1.59%	55	0	13	0	0	0	0	0	1	0	0	0	0
98126	3	0.34%	12	0	0	0	0	0	0	0	2	1	0	0	0
98133	11	1.25%	53	5	0	0	0	0	0	0	0	0	0	0	0
98136	1	0.11%	5	0	0	0	0	0	0	0	0	0	0	0	0
98144	2	0.23%	7	0	3	0	0	0	0	0	0	0	0	0	0
98146	1	0.11%	5	0	0	0	0	0	0	0	0	0	0	0	0
98155	14	1.59%	57	5	0	0	0	0	3	0	0	0	0	0	0
98177	7	0.80%	25	0	5	0	0	0	0	0	0	0	0	0	0
98178	1	0.11%	4	0	0	0	0	0	0	0	1	0	0	0	0
98198	1	0.11%	4	0	0	0	0	0	0	0	0	1	0	0	0
98199	5	0.57%	25	0	0	0	0	0	0	0	0	0	0	0	0
98201	11	1.25%	40	5	0	0	3	0	5	0	0	2	0	0	0
98203	34	3.87%	141	7	0	1	0	0	7	0	3	0	0	0	0
98204	20	2.28%	91	2	0	5	0	0	0	0	0	0	0	0	0
98208	48	5.46%	209	17	0	0	0	0	5	0	3	2	0	0	1
98221	1	0.11%	0	0	7	0	0	0	0	0	0	0	0	0	0
98223	20	2.28%	65	13	0	0	7	0	0	0	9	1	0	0	0
98226	1	0.11%	1	0	4	0	0	0	0	0	0	0	0	0	0
98229	3	0.34%	10	4	0	0	0	0	0	0	1	0	0	0	0
98236	3	0.34%	0	5	0	0	0	0	3	0	0	0	3	0	5
98239	1	0.11%	0	0	0	0	0	0	0	0	1	0	4	0	0
98249	3	0.34%	0	0	0	0	14	0	0	0	1	0	0	0	0
98252	2	0.23%	9	0	0	0	0	0	0	0	0	1	0	0	0
98258	25	2.84%	116	0	4	2	0	0	0	0	4	0	0	0	0
98260	2	0.23%	4	0	0	0	0	0	0	0	1	0	0	5	0
98270	16	1.82%	69	5	0	0	1	0	0	0	0	0	0	0	0
98271	11	1.25%	30	8	0	0	0	0	0	5	5	0	0	0	5
98272	4	0.46%	15	5	0	0	0	0	0	0	0	0	0	0	0
98274	1	0.11%	5	0	0	0	0	0	0	0	0	0	0	0	0
98275	34	3.87%	149	12	0	0	0	0	6	0	0	0	0	0	0
98281	1	0.11%	2	0	0	0	0	0	0	0	3	0	0	0	0
98282	10	1.14%	29	13	0	0	6	0	0	0	2	1	0	0	0
98284	1	0.11%	5	0	0	0	0	0	0	0	0	0	0	0	0
98287	1	0.11%	0	0	0	0	0	0	0	0	0	0	0	0	0
98290	9	1.02%	38	10	0	0	0	0	0	0	0	0	0	0	0



98292	8	0.91%	29	5	0	0	6	0	0	0	0	0	0	0	0
98296	28	3.19%	107	22	0	2	0	0	1	0	0	1	0	0	0
98371	1	0.11%	5	0	0	0	0	0	0	0	0	0	0	0	0
98374	2	0.23%	1	1	0	0	5	1	0	0	1	1	0	0	0
98382	1	0.11%	0	0	4	0	0	0	0	0	0	0	0	0	0
98391	1	0.11%	0	5	0	0	0	0	0	0	0	0	0	0	0
98407	1	0.11%	0	1	0	0	0	0	0	0	2	0	0	0	2
98499	1	0.11%	0	0	0	0	5	0	0	0	0	0	0	0	0
98584	1	0.11%	5	0	0	0	0	0	0	0	0	0	0	0	0